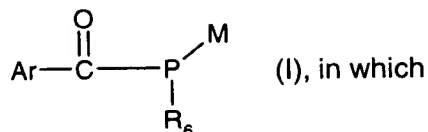


# Abstract

Compounds of the formula I



naphthyl, biphenyl or an O-, S- or N-containing 5- or 6-membered heterocyclic ring;  $\text{R}_1$  and  $\text{R}_2$  are  $\text{C}_1\text{-C}_{20}$ alkyl,  $\text{OR}_{11}$ ,  $\text{CF}_3$  or halogen;  $\text{R}_3$ ,  $\text{R}_4$  and  $\text{R}_5$  are hydrogen,  $\text{C}_1\text{-C}_{20}$ alkyl,  $\text{OR}_{11}$  or halogen;  $\text{R}_6$  is unsubstituted or substituted  $\text{C}_1\text{-C}_{24}$ alkyl,  $\text{C}_2\text{-C}_{24}$ alkyl, which is interrupted by O, S or  $\text{NR}_{14}$  and is unsubstituted or substituted;  $\text{C}_2\text{-C}_{24}$ alkenyl, uninterrupted or interrupted by O, S or  $\text{NR}_{14}$  and unsubstituted or substituted; unsubstituted or substituted  $\text{C}_7\text{-C}_{24}$ arylalkyl;  $\text{C}_4\text{-C}_{24}$ cycloalkyl, uninterrupted or interrupted by O, S and/or  $\text{NR}_{14}$ ; or  $\text{C}_8\text{-C}_{24}$ arylalkyl;  $\text{R}_{11}$  is  $\text{C}_1\text{-C}_{20}$ alkyl,  $\text{C}_3\text{-C}_8$ cycloalkyl, phenyl, benzyl or  $\text{C}_2\text{-C}_{20}$ alkyl, interrupted by O or S and unsubstituted or substituted;  $\text{R}_{12}$  and  $\text{R}_{13}$  are hydrogen,  $\text{C}_1\text{-C}_{20}$ alkyl,  $\text{C}_3\text{-C}_8$ cycloalkyl, phenyl, benzyl or  $\text{C}_2\text{-C}_{20}$ alkyl, interrupted by O atoms and unsubstituted or substituted; or  $\text{R}_{12}$  and  $\text{R}_{13}$  together are  $\text{C}_3\text{-C}_5$ alkylene, uninterrupted or interrupted by O, S or  $\text{NR}_{14}$ ;  $\text{R}_{14}$  is hydrogen, phenyl,  $\text{C}_1\text{-C}_{12}$ alkyl or  $\text{C}_2\text{-C}_{12}$ alkyl, interrupted by O or S and unsubstituted or substituted; and M is hydrogen, Li, Na or K; are valuable intermediates for the preparation of unsymmetrical bisacylphosphine oxides and monoacylphosphine oxides.